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## THAT WHICH IS CLAIMED:

A bandwidth allocation manager for determining bandwidth allocation in a digital broadband delivery system, wherein the bandwidth allocation manager dynamically assigns a content delivery mode to a plurality of digital transmission channels based at least partially on an allocation criteria received from a subscriber.

- 2. The bandwidth allocation manager of claim 1, wherein the content delivery mode is selected from the group comprising pay-per-view, video-on-demand, and near video-on-demand.
  - 3. The bandwidth allocation manager of claim 1, wherein the content delivery mode comprises a video content delivery mode wherein at least two instances of a same video content are transmitted at time-spaced intervals of varying length.
  - 4. The bandwidth allocation manager of claim 1, wherein the allocation criteria received from the subscriber is selected from the group comprising a video-on-demand request, a subscriber reservation request, a subscriber profile, and a subscriber preference.
  - 5. The bandwidth allocation manager of claim 1, wherein the allocation criteria received from the subscriber comprises a plurality of subscriber reservation requests with at least two assigned priorities.
  - 6. The bandwidth allocation manager of claim 1, wherein the bandwidth allocation manager processes a plurality of allocation criteria according to a statistical model to determine a bandwidth allocation schedule.

- 7. A bandwidth allocation system in a digital broadband delivery system comprising:
- a bandwidth allocation manager that determines a bandwidth allocation schedule in the digital broadband delivery system based at least partially on an allocation criteria received from a subscriber by assigning a content delivery mode to a plurality of digital transmission channels; and
- a network manager in communication with the bandwidth allocation manager, wherein the network manager allocates the predetermined bandwidth according to the bandwidth allocation schedule determined by the bandwidth allocation manager.
- 8. The bandwidth allocation system of claim 7, further comprising a video-on-demand (VOD) 10 application server in communication with the bandwidth allocation manager, wherein the VOD application server transmits a list of available content delivery modes to the bandwidth allocation manager

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- The bandwidth allocation system of claim 7, wherein the content delivery mode is selected from the group comprising pay-per-view, video-on-demand, and near video-on-demand.
- 10. The bandwidth allocation system of claim 7, wherein the allocation criteria received from the subscriber is selected from the group comprising a video-on-demand request, a subscriber reservation request, a subscriber profile, and a subscriber preference.
- 11. The bandwidth allocation system of claim 7, wherein the allocation criteria received from the subscriber comprises a plurality of subscriber reservation requests with at least two assigned priorities.
- The bandwidth allocation system of claim 7, wherein the bandwidth allocation manager processes a plurality of allocation criteria according to a statistical model to determine the bandwidth allocation schedule
- 13. The bandwidth allocation system of claim 7, wherein the content delivery mode comprises a 30 video content delivery mode wherein at least two instances of a same video content are transmitted at time-spaced intervals of varying length.
  - 14. A digital home communication terminal for use in a digital broadband delivery system containing a bandwidth allocation manager comprising:
    - an interface that receives a subscriber criteria; and
  - a tuner that transmits the subscriber criteria to the bandwidth allocation manager for use in dynamically allocating bandwidth in the digital broadband delivery systems

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- Docket No.: A-5704
- The digital home communication terminal of claim 14, further comprising a tuner that 15. receives channel allocation information from the bandwidth allocation manager and processes the information into a format suitable for presentation to a subscriber.
- 16. The digital home communication terminal of claim 15, wherein the channel allocation information comprises VOD catalogue data.
- 17. The digital home communication terminal of claim 14, wherein the allocation criteria 10 received from the subscriber is selected from the group comprising a video-on-demand request, a subscriber reservation request, a subscriber profile, and a subscriber preference.
  - 18. The digital home communication terminal of claim 14, wherein the allocation criteria received from the subscriber comprises a plurality of subscriber reservation requests with at least two assigned priorities.
  - A method for allocating bandwidth in a digital broadband delivery system comprising: initiating a bandwidth allocation event; receiving an allocation criteria from a subscriber; and dynamically determining a bandwidth allocation schedule based at least partially on the

allocation criteria received from the subscriber.

- 20. The method of claim 19, wherein determining a bandwidth allocation schedule based at least partially on the allocation criteria received from a subscriber comprises determining a bandwidth allocation schedule by dynamically assigning a content delivery mode to a plurality of digital transmission channels.
- The method of claim 20, wherein the content delivery mode is selected from the group comprising pay per-view, video-on-demand, and near video-on-demand.
- 22. The method of claim 20, wherein the content delivery mode comprises a content delivery mode wherein at least two instances of a same video content are transmitted at predetermined timespaced intervals of varying length.
- 35 23. The method of claim 19, wherein receiving the allocation criteria received from a subscriber comprises receiving an allocation criteria selected from the group comprising a video-on-demand request, a subscriber reservation request, a subscriber profile, and a subscriber preference.

- 24. The method of claim 19, wherein receiving the allocation criteria received from a subscriber comprises receiving an allocation criteria comprising a plurality of subscriber reservation requests with at least two assigned priorities.

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- 25. The method of claim 19, wherein dynamically determining a bandwidth allocation schedule based at least partially on the allocation criteria received from the subscriber includes processing the allocation criteria according to a statistical model.
- 10 26. The method of claim 19, further comprising allocating bandwidth in the digital broadband delivery system according to the bandwidth allocation schedule.

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